**Antacids and Neutralization Reactions Lab**

**Background:** Some people can get heartburn, a symptom of gastroesophageal reflux disease where stomach acid enters the esophagus and causes pain. An immediate treatment would be to apply a base to neutralize the stomach acid (HCl).

**Your task:** To devise a procedure to determine which antacid (base) is the most effective at neutralizing stomach acid.

**Materials:**

* three unknown antacids of different strengths, HClaq with the same strength
* dropper
* spot plates
* pH paper

**Hint:** How many drops of each antacid will you need to neutralize 5 drops of hydrochloric acid?

**Your task today:**

1. On the back of this page, create a procedure to test which antacid solution is best, Solution A, Solution B, or Solution C. You may work in a group but each person will write the procedure in their own words. [ /10TI]
2. Conduct the experiment.
3. Graph your results below. Please include axis labels and a figure caption. [ /8KU]

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